APRIL/MAY 2025

23USEL24 — TROUBLE SHOOTING AND MAINTENANCE OF AUDIO AND VIDEO EQUIPMENTS (SEC III)

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is optical recording?
2. Mention the advantages of compact disc.
3. How does the speaker work?
4. What is stereo sound?
5. Expand the full form of PAL colour.
6. State the function of television receiver.
7. Define Faults is colour.
8. Name the different types of video formats?
9. What is the requirement of CCTV?
10. Expand DTH and LCD?

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SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) How data is burnt on a compact disc.

Or

(b) List out the trouble shooting in compact disc.

12. (a) State and explain the components of public addressing system.

Or

(b) Write a short note on the function of amplifier in PAS.

13. (a) Explain the testing of TV reciver.

Or

(b) Write a note on PAC colour TV transmission.

14. (a) Briefly explain the process involved in video recording on a compact disc.

Or

(b) Mention the working machanism of High definition TV system.

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15. (a) How DTH works?

Or

(b) Write short note on plasma television.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explicate the processes involved in recording and reproduction of video and audio data on compact disc.

17. Describe the method of stereophonic recording and reproduction on a disc.

18. Illustrate the working mechanism of television broadcasting system.

19. Exemplify with black diagram of MAC encoder on explain its functions.

20. Explain in detail set top box on cable TV concepts.

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